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**Withrow & Terranova**Professional Limited Liability CompanyAttorneys At Law  
Registered Patent Attorneys*A High Technology Patent Practice***OFFICIAL**

## FACSIMILE TRANSMITTAL SHEET

TO:	FROM:
Examiner	Benjamin S. Withrow
COMPANY:	DATE:
USPTO - Art Unit 2682	8/12/2004
FAX NUMBER:	TOTAL NO. OF PAGES INCLUDING COVER:
703-872-9306	10
PHONE NUMBER:	SENDER'S REFERENCE NUMBER:
	2900-020
RE:	YOUR REFERENCE NUMBER:
Power of Attorney	10/673,110

☐ URGENT ☐ FOR REVIEW ☐ PLEASE COMMENT ☐ PLEASE REPLY ☐ ORIGINAL TO FOLLOW

## NOTES/COMMENTS:

Please find attached the following documents:

1. Submission of Power of Attorney form
2. Power of Attorney
3. Change of Correspondence form

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CARY, NC 27511

PH: (919) 654-4520

FAX: (919) 654-4521

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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

OFFICIAL

In re application of: Steven Deane Hall

For: **METHOD AND APPARATUS DETERMINING THE PRESENCE OF  
INTERFERENCE IN A WIRELESS COMMUNICATION CHANNEL**

Filed: 09/25/2003

Serial No. 10/673,110

Commissioner for Patents

Washington, D.C. 20231

SUBMISSION OF POWER OF ATTORNEY

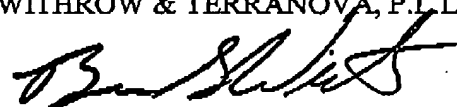
Sir:

Please enter the enclosed Power of Attorney and address all communications and telephone calls to Withrow & Terranova, P.L.L.C., Customer Number 27820, P.O. Box 1287, Cary, North Carolina 27512. Also please change the Attorney Docket Number to 2900-020.

Respectfully submitted,

WITHROW &amp; TERRANOVA, P.L.L.C.

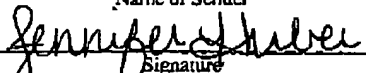
By:

  
Benjamin S. Withrow  
Registration No. 40,876  
Customer No. 27820  
P.O. Box 1287  
Cary, NC 27512BSW/jah  
EnclosureDate: August 12, 2004  
File No.: 2900-020

**CERTIFICATE OF TRANSMISSION**  
I HEREBY CERTIFY THAT THIS DOCUMENT IS  
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DATE INDICATED BELOW TO:

Examiner: \_\_\_\_\_ Art Unit: 2682

Fax: 703-872-9306

Jennifer Huber  
Name of Sender  
SignatureAugust 12, 2004  
Date of Transmission

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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AUG 12 2004

OFFICIAL

In re application of: See attached list  
Filed: See attached list  
Serial Number: See attached list  
For: Attached list of patent applications

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

POWER OF ATTORNEY

Sir:

The undersigned, assignee of the entire interest in and to the attached list of applications for U.S. Letters Patent by an assignment document recorded with the United States Patent and Trademark Office (a copy attached hereto), hereby appoints the firm of Withrow & Terranova, P.L.L.C., comprising Benjamin S. Withrow, Reg. No. 40,876, Steven N. Terranova, Reg. No. 43,185, Taylor M. Davenport, Reg. No. 42,466, and R. Chad Bevins, Reg. No. 51,468, as my attorneys and/or agents with full power of substitution and revocation, to prosecute this application, to make alterations and amendments therein, to receive the patent, and to transact all business in the Patent and Trademark Office connected therewith.

Furthermore, in accordance with 37 CFR §3.73(b), the undersigned hereby states that the documentary evidence of a chain of title from the original owner to the assignee, i.e. assignment document referenced above, has been reviewed and the undersigned certifies that, to the best of assignee's knowledge and belief, title is in assignee who seeks to prosecute this application.

**PLEASE ADDRESS ALL COMMUNICATIONS AND TELEPHONE CALLS TO:**  
**WITHROW & TERRANOVA, P.L.L.C., P.O. BOX 1287, CARY, NORTH CAROLINA**  
**27512, (919) 654-4520.**

**RFMD WPAN, Inc.**

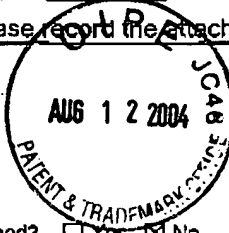
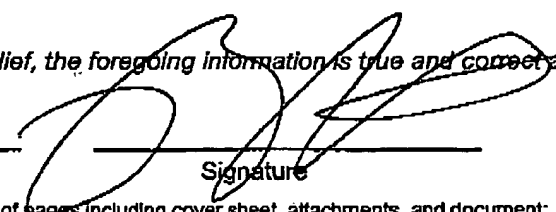
BY:

  
Suzanne B. Rudy  
Treasurer

Date: August 9, 04

File No.: 2900-000

Customer:	27820					
Withrow & Terranova, PLLC						
P.O. Box 1287						
Cary, NC 27512						
Patent Number	Application Number	Patent Date mm/dd/yy	Filing Date mm/dd/yy	Correspondence Address yes/no	Practitioner of Record yes/no	Fee Address yes/no
	09452933		12/02/99	yes	yes	yes
	10673110		09/25/03	yes	yes	yes
	10216082		08/08/02	yes	yes	yes
	60538089		01/20/04	yes	yes	yes
	09610555		07/05/00	yes	yes	yes
	10141105		05/07/02	yes	yes	yes
	09799991		03/06/01	yes	yes	yes
	10288209		11/05/02	yes	yes	yes
	60538138		01/20/04	yes	yes	yes
	09624314		07/24/00	yes	yes	yes
	10235090		09/03/02	yes	yes	yes

FORM PTO-1595 (Rev. 6-93) QMB No. 0851-0011 (exp. 4/94)		<b>RECORDATION FORM COVER SHEET</b> <b>PATENTS ONLY</b>		U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office Atty. Docket No. 2900-000
To the Commissioner for Patents: Please record the attached original documents or copy thereof.				
1. Name of conveying party(ies): Silicon Wave, Inc. <div style="text-align: center; margin-top: 20px;">  </div> Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies): Name: RFMD WPAN, Inc. Internal Address:  Street Address: 6256 Greenwich Dr. Suite 300  City: San Diego State: CA Zip: 92122  Country: USA  Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
3. Nature of conveyance: <input type="checkbox"/> Assignment <input checked="" type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other  Execution Date: 05/24/2004	4. Application number(s) or registration numbers(s): If this document is being filed together with a new application, the execution date of the application is: _____ <div style="display: flex; justify-content: space-between;"> <div style="width: 48%;">             A. Patent Application No.(s)              09/452,933; 10/141,105; 09/610,555; 09/799,991;              10/235,090; 10/216,082; 10/288,209; 10/673,110           </div> <div style="width: 48%;">             B. Patent No.(s)              6,366,622; 6,429,502; 6,627,954; 6,211,745;              6,323,736; 6,172,378; 6,310,387; 6,268,778;              6,292,062; 6,278,338; 6,570,446; 6,697,004;              6,355,537           </div> </div> Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
5. Name and address of party to whom correspondence concerning document should be mailed:  Name: Benjamin S. Withrow WITHROW & TERRANOVA, P.L.L.C. P.O. Box 1287 Cary, NC 27512	6. Total number of applications and patents involved: .....21  7. Total fee (37 CFR 3.41): \$840.00 <input checked="" type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account  8. Deposit account number: 50-1732 (Attach duplicate of this page if paying by deposit account)			
<b>DO NOT USE THIS SPACE</b>				
9. Statement and signature. <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</i> <div style="display: flex; justify-content: space-between; align-items: flex-end; margin-top: 20px;"> <div style="width: 30%;">             Benjamin S. Withrow              _____              Name of Person Signing           </div> <div style="width: 30%; text-align: center;">               _____              Signature           </div> <div style="width: 30%; text-align: right;">             August 5, 2004              _____              Date           </div> </div> <div style="text-align: center; margin-top: 10px;">             Total number of pages including cover sheet, attachments, and document: 4              Mail documents to be recorded with required cover sheet information to:              Director of the United States Patent and Trademark Office              PO Box 1450, Alexandria, Virginia 22313-1450           </div>				

X

MAY. 24. 2004 2:30PM

LANIER2

NO. 4749 P. 2/4

# Delaware

PAGE 1

*The First State*

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF MERGER, WHICH MERGES:

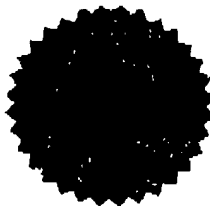
"DEERE MERGER CORP.", A DELAWARE CORPORATION,

WITH AND INTO "SILICON WAVE, INC." UNDER THE NAME OF "REND WPAN, INC.", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE TWENTY-FOURTH DAY OF MAY, A.D. 2004, AT 12:50 O'CLOCK P.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.

2776457 8100M

040380346

*Harriet Smith Windsor*

Harriet Smith Windsor, Secretary of State  
AUTHENTICATION: 3129230

DATE: 05-24-04

MAY. 24. 2004 2:30PM LANIER2

NO. 4749 P. 3/4

State of Delaware  
Secretary of State  
Division of Corporations  
Delivered 12:52 PM 05/24/2004  
FILED 12:50 PM 05/24/2004  
SRV 040380346 - 2776457 FILE

**CERTIFICATE OF MERGER  
OF  
DEERE MERGER CORP.  
WITH AND INTO  
SILICON WAVE, INC.**

This Certificate of Merger is filed by SILICON WAVE, INC., a Delaware corporation, in accordance with the provisions of Section 251 of the General Corporation Law of the State of Delaware.

**I.**

The name of the corporation proposing to merge is DEERE MERGER CORP., a Delaware corporation (the "Merging Corporation"), and the name of the corporation into which the Merging Corporation proposes to merge is SILICON WAVE, INC., a Delaware corporation (the "Surviving Corporation").

**II.**

An Agreement and Plan of Merger (the "Agreement") has been approved, adopted, certified, executed and acknowledged by each of the Merging Corporation and the Surviving Corporation in accordance with Sections 251 of the General Corporation Law of the State of Delaware.

**III.**

The name of the Surviving Corporation immediately prior to the Effective Time (as defined below) is "SILICON WAVE, INC." and the name of the Surviving Corporation immediately after the Effective Time shall be "RFMD WPAN, INC."

**IV.**

The Certificate of Incorporation of the Merging Corporation as in effect immediately prior to the Effective Time shall be the Certificate of Incorporation of the Surviving Corporation immediately after the Effective Time, except that, at the Effective Time, Article I of the Certificate of Incorporation of the Merging Corporation shall be deleted in its entirety and replaced with the following:

"The name of this corporation is: RFMD WPAN, Inc."

**V.**

The executed Agreement is on file at the executive offices of the Surviving Corporation located at 7628 Thorndike Road, Greensboro, NC 27409.

ATLANTA 401156-3



MAY. 24. 2004 2:30PM LANIER2

NO. 4749 P. 4/4

VI

A copy of the Agreement will be furnished by the Surviving Corporation without cost to any stockholder of the Merging Corporation or Surviving Corporation, as applicable, upon request.

VII

The Merger shall become effective immediately upon filing (the "Effective Time").

IN WITNESS WHEREOF, the undersigned hereby acknowledges by setting his hand hereunto on this 24<sup>th</sup> day of May, 2004 that this Certificate of Merger is the act and deed of the Corporation and that the facts stated herein are true.

SILICON WAVE, INC.

  
\_\_\_\_\_  
David L. Lyon, Chief Executive Officer

ATLANTA 401159-3

Please type a plus sign (+) inside this box →



PTO/SB/122 (10-00)

Approved for use through 10/31/2002. OMB 0851-0035

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>CHANGE OF CORRESPONDENCE ADDRESS Application</b>  Address to: Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450	Application Number	10/673,110	<b>RECEIVED</b> <b>CENTRAL FAX CENTER</b> <b>AUG 2 2004</b> <b>OFFICIAL</b>
	Filing Date	09/25/2003	
	First Named Inventor	Steven Deane Hall	
	Group Art Unit	2682	
	Examiner Name		
	Attorney Docket Number	2900-020	

Please change the Correspondence Address for the above-identified application to:



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27820

Type Customer Number here

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I am the :



Applicant.


 Assignee of record of the entire interest.  
 Certificate under 37 CFR 3.73(b) is enclosed.


Attorney or agent of record, Reg. No. 40,876.


 Registered practitioner named in the application transmittal letter in an application without an  
 executed oath or declaration. See 37 CFR 1.33(a)(1). Registration Number
Typed or  
Printed Name

Benjamin S. Withrow

Signature

Date

August 12, 2004

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.



\*Total of \_\_\_ forms are submitted.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, USPTO, PO Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450

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